

ABSTRACT

An illumination box for true, reproducible colour reproduction of an object, comprising side walls, a top plate and a bottom plate, wherein between the top plate and the bottom plate there is provided a light diaphragm which divides the illumination box into a light chamber above the light diaphragm and an object chamber beneath the light diaphragm, which light diaphragm admits and diffuses light from a plurality of light sources arranged in the light chamber, characterised in that the light diaphragm is attached to an essentially light-impenetrable screening frame adjacent to the side walls, with the plurality of light sources distributed along the side walls at a distance from the side walls and from the screening frame such that an area for placement of the object is screened from essentially all direct light from the plurality of light sources, and that an aperture is provided in the object chamber for observation of the object.